

What is claimed is:

1. A diversion grenade, comprising:

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a transparent body in which is located one or more charges of flash material;  
an internal power supply;

a control circuit that is responsive to one or more user inputs, the control circuit  
producing one or more output signals; and

10 an external user operated trigger for initiating a user input for activating the grenade.

2. The diversion grenade of claim 1, wherein:

a delay mechanism is interposed between the control circuit and at least one charge.

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3. The diversion grenade of claim 1, further comprising:

a tracer light located on an external surface of the grenade.

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4. The diversion grenade of claim 1, further comprising:

a tracer light located internally of the grenade.

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5. The diversion grenade of claim 1, further comprising:

one or more sound emitters that respond to an output signal of the control circuit.

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6. The diversion grenade of claim 5, wherein:

each sound emitter has a sub-controller.

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7. The diversion grenade of claim 5, wherein:

the emitters are two or more in number.

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8. The diversion grenade of claim 5, further comprising:

an external switch for selectively disabling either the flash or the one or more emitters.

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9. The diversion grenade of claim 5, wherein:

the emitter is a speaker and the grenade further comprises a power supply for the speaker and an amplifier.

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10 The diversion grenade of claim 5, further wherein:

the emitter is a horn or whistle that is activated by a release of gas or aerosol from within the grenade.

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11. The diversion grenade of claim 5, further wherein:

two or more emitters are used and at least two emitters emit sound at different frequencies.

12. The grenade of claim 1, wherein:

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the trigger comprises a spring loaded lever that is retained by a safety pin.

13. The grenade of claim 1, wherein:

the control circuit is responsive to two or more user controls, the user controls providing control over any of the following functions: delay of flash, delay of sound, use of tracer light, delay between flash and sound, sound volume, strobe effect.

14. The grenade of claim 5, wherein:

an emitter emits a pre-recorded sound stored within the grenade.

15. The grenade of claim 1, further comprising:

a pole that is attachable to the grenade for assisting with its placement.

16. The grenade of claim 1, further comprising:]

a digital camera and a transmitter for broadcasting digital images taken by the camera.

17. The grenade of claim 5, further comprising:

a reservoir of gas or aerosol that is discharged by being urged against a pin, by a solenoid located in the grenade;

the emitter being powered by the discharge of the gas or aerosol.